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(11)

EP 0 870 587 A3

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
10.02.1999 Bulletin 1999/06

(51) Int Cl.<sup>6</sup>: B29C 45/00

(43) Date of publication A2:  
14.10.1998 Bulletin 1998/42

(21) Application number: 97309903.9

(22) Date of filing: 09.12.1997

(84) Designated Contracting States:  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE  
Designated Extension States:  
AL LT LV MK RO SI

(30) Priority: 17.12.1996 US 767908

(71) Applicant: Ford Global Technologies, Inc.  
Dearborn, Michigan 48126 (US)

(72) Inventors:

- Decello, Michael John  
Novi, Michigan 48375 (US)
- Papclak, Edward Stanley  
Novi, Michigan 48374 (US)
- Radabaugh, Scott Louis  
Milford, Michigan 48381 (US)

(74) Representative: Messulam, Alec Moses et al  
A. Messulam & Co.  
24 Broadway  
Leigh-on-Sea Essex SS9 1BN (GB)

### (54) Liquid injection sealing apparatus

(57) An apparatus for forming a gasket between mating components, at least one of the mating components having a groove (18) formed on a mating face thereof and an inlet port (20) in fluid communication with the groove, the apparatus comprising: a pair of material receiving cylinders (24,26), each cylinder having a orifice (28,30) at one end thereof and an open end (31,32) at the opposite end thereof, each of said cylinders (24,26) being operative to receive a volume of fluid material therein; a pair of positive displacement rams (36,38) disposed at the open end of each of the cylinders, each ram being operative reciprocate within said cylinder and contact the fluid material (25,27) in the cylinder and force the fluid material through the orifice (28,30) when pressurised; a generally cylindrical mixing tube (52) in fluid communication with said material receiving cylinders, the mixing tube having an inlet end and a discharge end and being operative to receive the fluid materials from each cylinder and mix the fluid materials together to form a gasket-forming compound; and a nozzle (56) in fluid communication with the discharge end of the mixing tube (52), the nozzle (56) being configured to engage the inlet port formed in one of the mating components and to discharge the gasket-forming compound from the mixing tube (52) through the inlet port (20) into the groove (18).

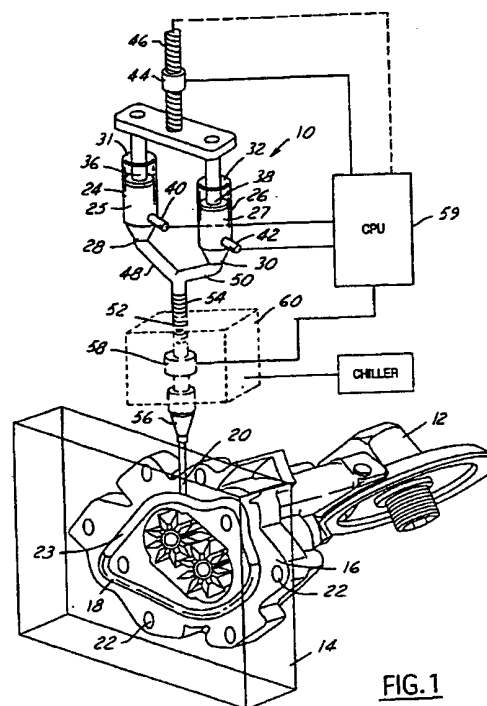


FIG. 1

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## EUROPEAN SEARCH REPORT

Application Number  
EP 97 30 9903

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>21 December 1998</b>	Examiner <b>Van Nieuwenhuize, O</b>

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PPO FORM 1503 (3.82) (P04C01)



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